

20030910.ba v03\_n541.bam.20030910

>From ???@??? Wed Sep 10 10:02:09 2003 -0500  
Message-Id: <200309101501.h8AF1vgc024819@sco.theporch.com>  
Date: Wed, 10 Sep 2003 10:01:39 CDT  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 3541

BOATANCHORS Digest 3541

Topics covered in this issue include:

- 1) Radio ID  
by W7QH0@aol.com
- 2) Re: Radio ID  
by "Ed Sharpe" <esharpe@uswest.net>
- 3) OA2 vs. OA2WA  
by "Roecker, Greg" <greg.roecker@lmco.com>
- 4) Re: OA2 vs. OA2WA  
by "Sandy W5TVW" <ebjr@i-55.com>
- 5) Re: OA2 vs. OA2WA  
by "Arden Allen" <gumbear@pacbell.net>
- 6) Re: OA2 vs. OA2WA  
by Heinz und Hannelore Breuer <hbreuer@debitel.net>
- 7) Re: OA2 vs. OA2WA  
by "Garey Barrell" <k4oah@mindspring.com>
- 8) Re: OA2 vs. OA2WA  
by "Ed Zeranski" <ezeran@concentric.net>
- 9) Re: OA2 vs. OA2WA  
by "Arden Allen" <gumbear@pacbell.net>
- 10) \*Real\* Heavy Iron Saved  
by "Richard Dillman" <ddillman@igc.org>
- 11) Re: \*Real\* Heavy Iron Saved  
by Brian Goldsmith <brian.goldsmith@echo1.com.au>
- 12) Re: \*Real\* Heavy Iron Saved  
by "Richard Dillman" <ddillman@igc.org>
- 13) Re: \*Real\* Heavy Iron Saved  
by "Jose V. Gavila" <eb5agv@ctv.es>
- 14) Re: OA2 vs. OA2WA  
by Brian Goldsmith <brian.goldsmith@echo1.com.au>
- 15) Re: \*Real\* Heavy Iron Saved  
by Richard Dillman <ddillman@igc.org>
- 16) FS: BA Miscellany  
by "Merz Donald S" <merz.ds@mellon.com>
- 17) Re: OA2 vs. OA2WA  
by "Arden Allen" <gumbear@pacbell.net>
- 18) Wanted: Hickok, RCA and GR Manual Copies

by "Merz Donald S" <merz.ds@mellon.com>  
19) FS: HB Amp and Hammarlund CB-8  
by "Merz Donald S" <merz.ds@mellon.com>

-----  
From: W7QHO@aol.com  
Message-ID: <4b.336ff29b.2c8e4869@aol.com>  
Date: Mon, 8 Sep 2003 17:02:33 EDT  
Subject: Radio ID  
To: Old Tube Radios <boatanchors@theporch.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Guys,

Just came into possession of an interesting rig. Front panel and top lid labeling sez it was made for the US Department of the Interior Grazing Service by the Radio Specialty Manufacturing Service in Portland Ore. No dates.

Configured as a transmitter and receiver in a 10.5X19X16 (HWD) steel cabinet sharing some common PS circuits. The xmitter is crystal controlled, 6K6 osc. driving a pair of 807s parallel connected with a pi output tank. Came with a 2558 xtal in place. Modulated by a pair of 6L6s driven by a 6C8 dual triode driven in turn by a 6Q5 triode speech amp which appears to be setup for an xtal mic. Thordarson CHT multimatch mod transformer. The second 807 appears to have been added later (different socket type and odd placement on the chassis).

Receiver lineup: 6K7 RF, 6K8 mix/osc, 6K7 IF (freq unk), 6Q7 det/first audio, 6K7 BFO and 6K6 audio out. There is also a 6H6 which appears to have been used in a squelch circuit which I haven't doped out yet. The 6K8 osc. half appears to have been modified for xtal control somewhere along the line with a (5-pin tube) socket added on the front panel. The osc. coil was left in place, however. Frequency range 1.6 - 3.5 MHz according to the receiver tuning dial. Got it with a 2264 receive xtal in place.

I would put construction somewhere in the 40s based on the components used which included cloth covered wiring, Sprague "back beauty" paper caps and a couple of knobs on the front which could only have come off a BC-610 TU. Front panel labeling done with neat little engraved Bakelite and metal plates. Cabinet and chassis custom made with a professional look about them. Many tube sockets and other chassis mounted components riveted in place. The chassis does not slide out: access to the underside components requires removal of a bottom plate. Weighs in at about 60 lbs.

Oh yes, 80 LV rectifier and a pair of 866 Jrs.

Anyone have more on the rig, company, other, etc?

Thanks.

Dennis D. W7QHO  
Glendale, CA

-----  
Date: Mon, 8 Sep 2003 15:35:11 -0700  
Message-ID: <004c01c37659\$770fd8c0\$2573a7ac@aolidsl.net>  
From: "Ed Sharpe" <esharpe@uswest.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Radio ID  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

they also made stuff for the forest service as I remember.... might try a  
google under forest service radios

Thanks!

Ed Sharpe Archivist for SMECC

See the Southwest Museum of Engineering, Communications and Computation  
online at:

<http://www.smecc.org>

----- Original Message -----

From: <W7QHO@aol.com>  
To: "Old Tube Radios" <boatanchors@theporch.com>  
Sent: Monday, September 08, 2003 2:02 PM  
Subject: Radio ID

> Guys,

>

> Just came into possession of an interesting rig. Front panel and top lid  
> labeling sez it was made for the US Department of the Interior Grazing  
Service

> by the Radio Specialty Manufacturing Service in Portland Ore. No dates.

>

> Configured as a transmitter and receiver in a 10.5X19X16 (HWD) steel  
cabinet

> sharing some common PS circuits. The xmitter is crystal controlled, 6K6  
osc.

> driving a pair of 807s parallel connected with a pi output tank. Came  
with a

> 2558 xtal in place. Modulated by a pair of 6L6s driven by a 6C8 dual

triode  
> driven in turn by a 6Q5 triode speech amp which appears to be setup for an  
xtal  
> mic. Thordarson CHT multimatch mod transformer. The second 807 appears  
to  
> have been added later (different socket type and odd placement on the  
chassis).  
>  
> Receiver lineup: 6K7 RF, 6K8 mix/osc, 6K7 IF (freq unk), 6Q7 det/first  
audio,  
> 6K7 BFO and 6K6 audio out. There is also a 6H6 which appears to have been  
> used in a squelch circuit which I haven't doped out yet. The 6K8 osc.  
half  
> appears to have been modified for xtal control somewhere along the line  
with a  
> (5-pin tube) socket added on the front panel. The osc. coil was left in  
place,  
> however. Frequency range 1.6 - 3.5 MHz according to the receiver tuning  
dial.  
> Got it with a 2264 receive xtal in place.  
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> I would put construction somewhere in the 40s based on the components used  
> which included cloth covered wiring, Sprague "back beauty" paper caps and  
a  
> couple of knobs on the front which could only have come off a BC-610 TU.  
Front  
> panel labeling done with neat little engraved Bakelite and metal plates.  
> Cabinet and chassis custom made with a professional look about them. Many  
tube  
> sockets and other chassis mounted components riveted in place. The  
chassis does  
> not slide out: access to the underside components requires removal of a  
bottom  
> plate. Weighs in at about 60 lbs.  
>  
> Oh yes, 80 LV rectifier and a pair of 866 Jrs.  
>  
> Anyone have more on the rig, company, other, etc?  
>  
> Thanks.  
>  
> Dennis D. W7QHO  
> Glendale, CA  
>  
>  
>

-----

Date: Mon, 08 Sep 2003 19:45:20 -0400  
From: "Roecker, Greg" <greg.roecker@lmco.com>  
Subject: OA2 vs. OA2WA  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-id: <9B38D82679975748AB4DE66A6523523603A13174@EMSS04M04.us.lmco.com>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT  
content-class: urn:content-classes:message

Can someone tell me the difference between these? Besides price...the OA2 is more expensive.

Thanks, and 73,

Greg/n4osj

-----  
Message-ID: <001b01c3767a\$43653620\$41a0cdd1@s0023531634>  
From: "Sandy W5TVW" <ebjir@i-55.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: OA2 vs. OA2WA  
Date: Mon, 8 Sep 2003 21:29:56 -0500  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

The "W" and "WA" types are types meeting certain MILSPEC requirements. Generally, the OA2WA will meet or exceed the specifications of the OA2.

There are instance where the "W" or ruggedized permutations of various tubes are beefed up in some areas, mostly mechanical ones, so that they meet certain vibration requirements. This even applies to "Premium" types such as the 5814 and 5814WA which are in reality basically 12AU7 tubes.

Most of the "W" suffixed types were sold to the military.

73,

Sandy W5TVW

----- Original Message -----

From: "Roecker, Greg" <greg.roecker@lmco.com>  
To: "Old Tube Radios" <boatanchors@theporch.com>  
Sent: Monday, September 08, 2003 6:45 PM  
Subject: OA2 vs. OA2WA

|  
| Can someone tell me the difference between these? Besides price...the OA2 is  
more  
expensive.

|  
| Thanks, and 73,  
|  
| Greg/n4osj  
|  
|

-----  
Message-ID: <002901c3767c\$ef35ab40\$eee57443@KB6NAX>  
From: "Arden Allen" <gumbear@pacbell.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: OA2 vs. OA2WA  
Date: Mon, 8 Sep 2003 19:49:00 -0700  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Sandy, you sed:

> .....the 5814 and 5814WA which are in reality basically 12AU7 tubes....

Not quite. Check your tube manual. Look particularly close at the heater current rating. Audiophooles get screwed up putting 5814's and 5751's in series string setups with 12AU7's and 12AX7's. Otherwise you can get away with swapping a 5814 for a 12AU7 and a 5751 for a 12AX7. Generally, these industrial tubes are less noisy and have a more predictable life span.

Arden Allen  
KB6NAX  
Vallejo, CA 94590  
gumbear@pacbell.net

-----  
Message-ID: <3F5D4159.72C99A3A@debitel.net>  
Date: Tue, 09 Sep 2003 04:56:27 +0200  
From: Heinz und Hannelore Breuer <hbreuer@debitel.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: OA2 vs. OA2WA  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Wasn't it the 0A2WA which has traces of a radioactive gas to make sure that it fires even when in cold climate or in the dark? I think it was on the R-390 list where I read about it.

So don't break your 0A2WA and if you do don't inhale.

73

Heinz DH2FA, KM5VT

Sandy W5TVW wrote:

>

> The "W" and "WA" types are types meeting certain MILSPEC requirements.

Generally,

> the 0A2WA will meet or exceed the specifications of the 0A2.

>

> There are instance where the "W" or ruggedized permutations of various tubes are  
> beefed up in some areas, mostly mechanical ones, so that they meet certain  
vibration

> requirements. This even applies to "Premium" types such as the 5814 and 5814WA  
> which are in reality basically 12AU7 tubes.

>

> Most of the "W" suffixed types were sold to the military.

>

> 73,

> Sandy W5TVW

> ----- Original Message -----

> From: "Roecker, Greg" <greg.roecker@lmco.com>

> To: "Old Tube Radios" <boatanchors@theporch.com>

> Sent: Monday, September 08, 2003 6:45 PM

> Subject: 0A2 vs. 0A2WA

>

> |

> | Can someone tell me the difference between these? Besides price...the 0A2 is  
more

> expensive.

> |

> | Thanks, and 73,

> |

> | Greg/n4osj

> |

> |

-----  
Message-ID: <021301c37680\$72bbaf20\$6401a8c0@hp>

From: "Garey Barrell" <k4oah@mindspring.com>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: 0A2 vs. 0A2WA

Date: Mon, 8 Sep 2003 23:14:13 -0400  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Greg -

I may be wrong, but I believe that the "W" versions are military versions, ruggedized. The "WA" also regulates at a couple of volts under the nominal 150V for the 0A2, around 147 or 148. Another feature that I believe is only in the WA is that they had a small amount of radioactive material in them to help "jump-start" the ignition inside the dark interior of shielded military equipment, especially if the firing voltage is marginal. They have the universal "radioactive" warning symbol screened on the envelope. This is speculation, but I don't recall seeing the warning symbol on any W versions, only the WA. But then the memory is the second thing to go! :-)

For our purposes, they are all identical. Unless your gear is really dark inside!

Perhaps someone else has more definitive information on this?

73, Garey - K40AH  
Atlanta

----- Original Message -----

From: "Roecker, Greg" <greg.roecker@lmco.com>

>  
> Can someone tell me the difference between these? Besides price...the 0A2  
is more expensive.  
>  
> Thanks, and 73,  
>  
> Greg/n4osj  
>

-----  
Message-ID: <008d01c37683\$197f91d0\$7888dd40@ejzlt>  
From: "Ed Zeranski" <ezeran@concentric.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: 0A2 vs. 0A2WA  
Date: Mon, 8 Sep 2003 20:33:11 -0700  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit



> Greg -  
>  
> I may be wrong, but I believe that the "W" versions are military versions,  
> ruggedized. > 73, Garey - K40AH  
> Atlanta

That has been my take on that designation, lots of W and WA back in the 'Nam time Navy days. Right now nothing I own has to face those conditions so the W and WA should last past me.

EdZ

-----  
Message-ID: <001f01c37689\$8c11f4d0\$73e47443@KB6NAX>  
From: "Arden Allen" <gumbear@pacbell.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: OA2 vs. OA2WA  
Date: Mon, 8 Sep 2003 21:18:46 -0700  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

You are correct, Garey. The militarized OA2's had a bit of what I speculate to be radon gas added to the argon or neon to aid startup ionization. I doubt if one broken tube would be a hazard. Perhaps if a warehouse full of OA2WA's were to collapse on you you should hold your breath (assuming you could get out...ha!).

Arden Allen  
KB6NAX  
Vallejo, CA 94590  
gumbear@pacbell.net

-----  
From: "Richard Dillman" <ddillman@igc.org>  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Mon, 08 Sep 2003 22:11:00 -0700  
MIME-Version: 1.0  
Subject: \*Real\* Heavy Iron Saved  
Message-ID: <3F5CFE74.17207.15299C@localhost>  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

We (the Maritime Radio Historical Society) have been fortunate enough to have permission to recover historic artifacts from the Globe Wireless transmitter site in Palo Alto, south of San Francisco, CA. This is still the home of KFS (now SITOR only) and was the home of great arc transmitters and enormous towers and umbrella antennas.

We recently recovered two 1940s vintage 15kw PW-15 Press Wireless transmitters from the site and moved them to the RCA transmitter site for KPH in Bolinas, CA. We believe that at least one of these transmitters was being keyed on the last day of American commercial Morse and thus is the last CW transmitter used on a commercial circuit in this country.

Like all the other equipment in our care our plan is to restore the transmitters to operational status.

The story of the move will be part of the long awaited update to the radiomarine.org Web site. But until then I thought that those who appreciate such things would like to see the photos. Check 'em out at:

<http://radiomarine.org/PW15/>

Regards,

RD

=====  
Richard Dillman, W6AWO  
Member of the Maritime Radio Historical Society  
<http://www.radiomarine.org>  
Collector of Heavy Metal:  
Harleys, Willys and Radios over 100lbs.  
=====

-----  
Date: Tue, 09 Sep 2003 15:34:41 +1000  
From: Brian Goldsmith <brian.goldsmith@echo1.com.au>  
Subject: Re: \*Real\* Heavy Iron Saved  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-id: <001e01c37694\$116dc5f0\$890f8490@virtual>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

----- Original Message -----

From: "Richard Dillman"

The story of the move will be part of the long awaited update to the radiomarine.org Web site. But until then I thought that those who appreciate such things would like to see the photos.

\*\*\*\* To use an old Aussie expression "Dick,I dips me lid"!!!!!!!!!!!!!!!!!!!!

More power to you.

Brian Goldsmith.

-----  
From: "Richard Dillman" <ddillman@igc.org>  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Mon, 08 Sep 2003 22:39:51 -0700  
MIME-Version: 1.0  
Subject: Re: \*Real\* Heavy Iron Saved  
Message-ID: <3F5D0537.1508.2F94B3@localhost>  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

On 9 Sep 2003 at 15:34, Brian Goldsmith wrote:

>  
> \*\*\*\* To use an old Aussie expression "Dick,I dips me  
> lid"!!!!!!!!!!!!!!!!!!!!  
>  
> More power to you.

High praise indeed, mate. Thanks!

RD

=====  
Richard Dillman, W6AWO  
Member of the Maritime Radio Historical Society  
<http://www.radiomarine.org>  
Collector of Heavy Metal:  
Harleys, Willys and Radios over 100lbs.  
=====

-----  
Message-Id: <3.0.5.32.20030909074451.007e48a0@pop.ctv.es>  
Date: Tue, 09 Sep 2003 07:44:51 +0200

To: Old Tube Radios <boatanchors@theporch.com>  
From: "Jose V. Gavila" <eb5agv@ctv.es>  
Subject: Re: \*Real\* Heavy Iron Saved  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Wow!. Nice work!

It is great to save those rigs from trash, as has happened to so many of them around the world :-(

Congratulations!!!

JOSE

-----  
73 EB5AGV / EC5AAU - JOSE V. GAVILA  
La Canyada - Valencia (SPAIN)

Vintage Radio: <http://jvgavila.com>  
Vintage Test Equipment: <http://jvgavila.com/testeq.htm>  
European Boatanchors List: [http://groups.yahoo.com/group/euro\\_ba\\_swap](http://groups.yahoo.com/group/euro_ba_swap)

-----  
Date: Tue, 09 Sep 2003 18:58:44 +1000  
From: Brian Goldsmith <brian.goldsmith@echo1.com.au>  
Subject: Re: OA2 vs. OA2WA  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-id: <002f01c376b0\$92c01790\$890f8490@virtual>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

----- Original Message -----  
From: "Arden Allen"

Sandy, you sed:

> .....the 5814 and 5814WA which are in reality basically 12AU7 tubes....

Not quite. Check your tube manual. Look particularly close at the heater current rating. Audiophooles get screwed up putting 5814's and 5751's in series string setups with 12AU7's and 12AX7's.

\*\* Arden and the list. I note your caveats "check your tube manual" and "5814's" and "5714's", however Sandy did include "5814WA" in his OP.

RCA RTM RC-28 lists 5814A as having heater current of 0.175A(12.6V) and 0.35A (6.3V) and 5814WA as 0.15A and 0.3A respectively. Other sources list 5814A as being identical to 5814.

RCA RTM RC-28 lists 5751 as 0.175A and 0.3A and 5751WA as 0.15A and 0.3A. Other sources list 5751 as being identical to 5751A

It would appear that the WA versions are indeed (as far as heater Voltage/Current) identical to the 12AU/X versions .

Another pointer is that 5814A cross references to CV4016 and 5814WA to CV4032, however there seems to be some confusion with the latter as some sites refer to 6814A and/or 5814 WA.

I prefer to trust the US number system, perhaps someone with a better library than me would care to comment.

Regards to all, Brian Goldsmith.

E&OE (The sun is well past the yardarm here downunder :-))

-----  
Message-ID: <5695252.1063117560057.JavaMail.nobody@wamui10.slb.atl.earthlink.net>  
Date: Tue, 9 Sep 2003 10:28:14 -0700 (GMT)  
From: Richard Dillman <ddillman@igc.org>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: \*Real\* Heavy Iron Saved  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

> Wow!. Nice work!

It is great to save those rigs from trash, as has happened to so many of them around the world :-(

Congratulations!!!

=====

Thanks, Jose. We felt lucky to have the opportunity and capability to save these beauties.

Rm9yIFNhbGUNCgOKRm91ciBCQy03NDYtQiBUdW5pbmcgVW5pdHMsIDIgd2l0aCBjb3Z1cnMgYW5k  
IDIgd2l0aG91dC4gV2l0aCBYZW50aXZlIGNyeXN0YXxzIGJ1dCBubyB0cmFuc21pdCBjcnlzdGFs  
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IEFsbGVuIHdyZW5jaCB1c2VkIGZvcibhZGp1c3RtZW50cy4gQ2FzZSBwYmludCBpcyBleGNlbGxlbG9kb3I  
gYmV0dGVyLiBWZXJ5IG5pY2UuIFVudGVzdGVkLiAkMzkNCg0KQ1ZlIER5bmEtUXVpayBNb2RlbnCA3MDAgRHlu  
YW1pYyBndXR1YWwgQ29uZHVjdGFuY2UgVHVhZSBuZXR0ZXIuIEluIGx1YXRoZXJldHRlIGNhc2Ugd2l0aCBjaG  
FydC4gQ2FzZSBjb3Z1cnMlUyBpcyBpb2RlIHNoYXB1IGJ1dCB0aGUyFzZSB0YXMGYSBub24t

b3JpZ2luYWwgaGFuZGx1IG9uIGl0LiBQYW51bCBsb29rcyBleGNlbGx1bnQuIExvb2tzIGxpa2Ug  
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From: "Arden Allen" <gumbear@pacbell.net>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: OA2 vs. OA2WA

Date: Tue, 9 Sep 2003 09:39:36 -0700

MIME-Version: 1.0

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Content-Transfer-Encoding: 7bit

Hi Brian;

> ...I prefer to trust the US number system, perhaps someone with a better library than me would care to comment. ...

I don't think we have so much of an "enigma wrapped in a mystery" as we have the usual documentation flubs. In all of my references, RCA HB3, Sylvania and GE I find nary a 150/300 ma callout for any of the type numbers you mentioned. As a rub Sylvania groups 5751, 5751WA and GB-5751 together and 5814, 5814WA and GB-5814A together, all with the 175/350 ma heater ratings. GE indicates the same for their 5 Star premium types. But to continue the enjoyment of confusion also GE refers to both tubes as "(special 12AU7)" and "(special 12AX7)" respectively.

The only way we will resolve this quandary is to gather up a few handfulls of tubes and MEASURE their heater voltage/current characteristics. For me, having repaired too many vintage hi-fi's for my audiophoolie friends, I've had to play musical chairs with tubes in series string heater circuits so that every tube would get a healthy share of voltage in the reduced heater voltage circuits often employed in the preamp stages.

It flies in the face of logic that the manufacturers would not maintain compatibility for interchangeability purposes. After all they OEM'ed each others tubes to keep the market well fed. But then maybe we are dealing with a BIG SCREWUP!

Arden Allen  
KB6NAX  
Vallejo, CA 94590  
gumbear@pacbell.net



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Date: Tue, 9 Sep 2003 14:06:12 -0400  
From: "Merz Donald S" <merz.ds@mellon.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: <n3rht@yahoo.com>

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Date: Wed, 10 Sep 2003 11:01:10 -0400  
From: "Merz Donald S" <merz.ds@mellon.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: <n3rht@yahoo.com>

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